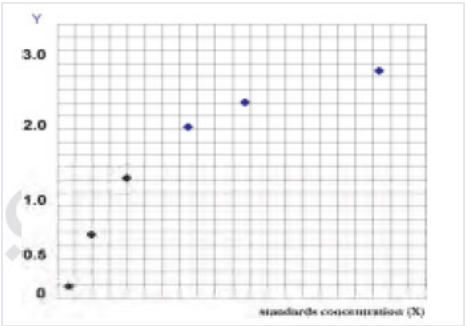
Connexin 43 (CX43) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Connexin 43 (CX43), ELISA Kit
Full Product Name	Human Connexin 43 ELISA Kit
Product Gene Name	CX43 elisa kit
Species Reactivity	Human
Assay Type	Competitive or Sandwich
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	39,127 Da
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Highest Standards	10ng/mL
Concentration of Standards	Concentration of Standards||0,0.5,1.0,2.5,5.0,10ng/mL
Product Categories/Family for CX43 elisa kit	Cell Biology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CX43 elisa kit	MBS726982 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Connexin 43 (CX43) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CX43. The ELISA analytical biochemical technique of the MBS726982 kit is based on CX43 antibody-CX43 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CX43 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CX43. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of CX43 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of CX43 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CX43. It may not necessarily be applicable to this product.

NCBI GI #	29179440
NCBI GeneID	30236
NCBI Accession #	AAH49297.1
UniProt Secondary Accession #	Q5TYN6; Q7ZTS1
UniProt Related Accession #	O57474
NCBI Official Full Name	Cx43 protein
NCBI Official Synonym Full Names	connexin 43
NCBI Official Symbol	cx43
NCBI Official Synonym Symbols	gja1; cx43a1; zfCx43.3
UniProt Protein Name	Gap junction alpha-1 protein
UniProt Synonym Protein Names	Connexin-43; Cx43; Short fin protein
Protein Family	Gap junction alpha-1 protein
UniProt Gene Name	gja1
UniProt Synonym Gene Names	cx43; shf; sof; Cx43
UniProt Entry Name	CXA1_DANRE
NCBI Protein Information	gap junction alpha-1 protein; shf; sof; connexin-43; etID309742.9; short fin protein; gap junction protein, alpha 1
UniProt Comments for CX43	One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. Plays an essential role in gap junction communication in the ventricles ().
Research Articles on CX43	**1.** increased expression in Dupuytren's disease
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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